The independent Dragon magazine

# ontents

Two new Liter Gaoges - a voctee to Baginsino a new series on tanquage People's Chart

Communication Show Report 7

Machine Code Tutor

Dragon Answers 13 Screen Designer Sound Ability

Sliding Graphics Arcade Arena Adventure Trail 28 Competition

**Editorial** IBSCRIPTIONS are still pouring details. Suggestions and epinions

have also been pouring in. A few out wherever Dragons gather back issues will be available, and

This month DU begins a new We desend on your feedback, as

Letters More to New come Add on Amateur Colour Radio Dragon Society Useful programs Back Copies Well Done! Correct We can supply phelo-Tips

#### Dragon User People's Chart Results July 1986

Juxtaposition 4 Moon Crests 5 Jet Set Willy

(Micro Vision Software Project

(Wintersoft)

#### Chart Seven My too S: Voting Month 3

H.C. PROGRESON COMPUTER R S HIGHLY BELIABLE

East Sunsey, SH25 2JZ (0023) 890070

#### News desk Sun starts to shine for Eclipse?

Toyt Adventure

Prize Books in lieu

#### Radio Amateurs impress Blaby



# 68 Micro Group

### Communication Section

Brokkings: I have a Dragon 32

Communication

MAKE YOUR DRAGON USEFU With our great value h and software deals

HARRIS MICRO SOFTWARE

PRINTER CONTROL Versions available for 6, 7, 6 and 9 dat printers

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\* NEW RELEASE \* "COLOR PRINT"

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MacGowan Consultants

Lines NG32 30Q

#### **Dragonsoft** Rowled out

Supplier: Computage (Came

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IT HAD BEEN a hard day.

Hooked Processor: Public Robbs

# What a wonderful show!

## Flag And Branch

This is pretty obvious. The bit is set if the

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BCS - Branch on Carry Set Memorics: BCS & CBCS Function: BCS & CBCS Function: BCS & CBCS

8HF: Branch & Higher: Geart comes back it BHS: Branch if Hoher or Same: Good 859: Riverth Never, Gooff never comes BRA: Branch Always: Goo'l always comes

RFO - Branch on Equal

Mnemories: BEO & CBEO Davides: If 2=1 then branch to a specific point RGE - Branch on Greater than

or Equal to

BGT - Branch on Greater Than Mnemonics: 807 & LBGT
Function: If 2 and IN OCCES No. 0 then but

BHI - Branch on Higher Mnemonics RH & LRH

BHS - Branch on Higher or Same

Mnemonies: BHS & LBHS
Function: If C = 0 then branch to specified point BLE - Branch on Less than or Found to

Minerceles: BLE & LBLE
Function: If 2 or IN CODE: VI = 1 then breach to

BLO - Branch on LOwer Mnemonios RLO & IRLO

BLS - Branch on Lower or Same

Addressing Mode: Relative BLT - Branch on Less Than

BMI - Branch on Minus

Addressing Mode: Polyton BNE - Branch on Not Equal

Function: If Z = 0 then branch to specified exist Mnemonics: RPL & LRPL Mnemorius: HPL a Lors.

Function: If N = 0 then branch to specified were BRA - BRanch Always Mnemonics: BRA & LRRI

BPL - Branch on Plus BRN - RRanch Never Function: Branch nowhere ever! (This is note

Addressing Blode: Polistvo BSR — Branch to SubRoutines Meemonics: DGR & LESR Function: Branch to specified address leaving

BVC - Branch on oVerflow Clear Function: If V = 0 then branch to specified point

BUS - Branch on oVerflow Set Function: If V = 1 that branch to specified point Addressing Mode: Relative MP - JuMP

JSR - Jump to SubRoutine

Function: Jump to subvoying at appoint point

# **Addressing Modes**

Part six follows fast, with Geoff Campbell on the over

JASCN presented a piece of prose efficient, to work entrols in binary, but

Binary code decimal

#### Negative numbers

#### Addressing modes

# Dragon dialects

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#### Basic structure

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only three levels — the main propsition, the WHLE loop block and I if "3-PEN block Blockscan be hought of a problem to send the service of a problem to smaller and smaller gats.

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Define your types

Define your types

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Pescel, like Basic, has multidimension

Figure 2 is an example of this type of definition, which also shows the use of

Indexectors Stoorton -- Bit-

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**Dragon Answers** PCAT 155,80 for 48 - number

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assembly language to you

Graphics

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Interface

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#### **Sound Ability**

The Dragon makes more noise than you think, says Jonathan Bates

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August 1986 Dragon Lleer 26

#### Expert's Arcade Arena

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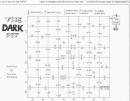
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